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1	CTGCAGTCGG	GAGATGAAAG	CACCACTGTG	TGTACCCCAT	CAGCGTGGTC
51	CCGCAGGCCA	TGATTTTG	CACAGACTCA	ATGACTACCG	GACGCACGTGA
101	ACCTTCCGGT	TGTTTCTCCA	GCCAGTTAAC	CCAGGGTTT	CCCTGCTGAA
151	AAATGTCGGC	AAAACGGGGA	AGCATCAGAA	GGGCGGGGGA	ACTCCGTCCG
201	GCCAGTGAAC	CGTGCCACAC	TCCGGGCAGT	ACATGCCGCC	GGCGCTGATA
251	CCGGCAAGAA	TGGTCGAAA	CTCCCGCTCC	GTGCAGCGGG	CTATTCAGG
301	ATACCCTTCG	TCATCAACAC	GTACAAACCA	GAAGACCAGC	TTTTTGTTC
351	TGACATCCAC	AAAGAAGGGGA	ATATTCAAGT	CTGCGCAGCA	CTCAACGGCA
IS91	← TCGTCAGTTG → katP	CGGCTTGGAA	CCCCCTTAGTA	TTTTTTGTCT	GTAGTATCTA
401	TCCCAGCAAT	AGGTATATCC	TGTTGCATCA	ATAAAAGTTGA	CTTTTGTATA
451	CAACATGCGA	ATTTCCTTA	ATCCGGAGCT	ATTCGTATGA	TAAAAAAAAC
501	TCTTCCTGTT	CTGATTCTTC	TGGCGCTATC	GGGGAGCTTT	TCTACCGCTG
551	TAGCCGCTGA	AAAAAAAGAG	ACTCAAAATT	TCTACTATCC	AGAAACACTG
601	GATTTAACTC	CTCTGAGATT	ACACAGCCCT	GAATCAAATC	CCTGGGGGGC
651	TGATTTGAT	TATGCCACCA	GATTTCAACA	GCTGGATATG	GAGGCTCTGA
701	AAAAAGATAT	CAAAGATTG	CTGACAACCT	CCCAGGATTG	GTGCCCTGCG
751	GATTATGGTC	ATTATGGTCC	TTTCTTTATT	CGTATGGCTT	GGCACGGTGC
801	CGGAACATAC	AGGACATATG	ATGGCCGGGG	AGGCGCCAGT	GGTGGTCAGC
851	AACGTTTGA	ACCGCTGAAC	AGCTGGCCGG	ATAACGTTAA	TCTGGATAAA
901	GCCC GTCGAT	TGCTGTGGCC	AGTCAAGAAA	AAATACGGCT	CCAGTATTTC
1001	CTGGGGAGAC	CTGATGGTCC	TGACTGGTAA	TGTTGCCCTT	GAATCCATGG
1051	GATTTAAAAC	GCTGGGATTT	GCTGGCGGAA	GAGAAGATGA	CTGGGACTCG
1101	GACCTGGTAT	ACTGGGGGCC	TGACAACAAG	CCTCTTGCAG	ATAACCGGGA
1151	TAAAAACGGG	AAACTTCAGA	AACCTCTTGC	CGCCACCGCAG	ATGGGACTTA
1201	TTTATGTCAA	TCCTGAAGGC	CCCGGTGGAA	AACCAGATCC	TCTGGCTTCC
1251	GCGAAAGATA	TCAGGGAAGC	TTTTTCACGT	ATGGCCATGG	ATGATGAGGA
1301	GACTGTGGCC	CTGATCGCGG	GAGGGCATAAC	ATTTGGTAAA	GCACATGGTG
1351	CAGCGTCTCC	TGAAAAATGT	ATTGGCGCAG	GGCCTGATGG	TGCACCTGTG
1401	GAGGAGCAGG	GACTGGGATG	GAAAAATAAA	TGTGGTACAG	GAAACGGCAA
1451	ATATACCATC	ACCAGTGGCC	TGGAAGGAGC	CTGGTCGAC	

FIG. 1

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1	CTGCAGGAGA	TGGAAAAAAA	GCCAAAATAA	AAAATTGCC	ATCCCACCGC
51	GCTCCAGCTG	AAAGTAGGCC	TGTTCTGTCC	GGTATTTAAA	TGCATTGACC
101	GTCCCCGTAT	TTAAACAATG	TGATAAAATTA	CTCCGTTACC	GGAAAACCGC
151	TGAACAAAAT	TCGGGCTGAA	AAGAGGATCC	GCCGTTATCT	GTTGCATTTC
201	CCCTTAGCCT	GAATAGCCAG	AGACACAATG	ATCTGTGCCG	TTCTGTTAAT
251	ATCAAACCGG	TACTCAATAT	CTTCTCTGGC	GCTGGCTGCC	ATCATCCGGA
301	AGCGTTCCGG	TCGGGATAAAA	AAATCGCGCA	GTGCGCCGGT	CCATGCAGAC
351	ACATCCCCA	CGGGTAACAG	CGTCCCTGTC	ACATTCTTCT	GAATGACATC
401	AGGGATCCCG	CCC GTCTCAC	TGGCGATAAC	GGGCACGCCG	GAGACTGACG
451	CTTCAGCCAG	TACCATACCA	AACGCTTCAT	TTTCCGAAGG	CATGACCACC
501	ACACTGGCAA	TCCGGTAGAC	CGGTAACGCT	GGGAAAAGGG	CACCTGCCAT
551	TAACACATCT	CCGCTCATTC	CCAGGTGTT	TGTCTGCTGA	CGCAGACGTG
601	CTTCGTATTTC	TTCACGCCCG	GCGCCCACCA	CGAGCCACCG	AAATGATTTC
651	CCTTCCATCT	TCAGCTGATA	CAATACACGC	ACCATAAATT	CATGTCCTTT
701	TTCGGGACGT	AGCATCCCCA	CCTGAACGAT	AAGCGGAACA	TTGTCTGCTG
751	ATGCAGCCA	GGCGTGGATA	TGCAGGGGT	ACGGTCGCAT	GGCTTCATTA
801	TGCAATGCCG	GCCAGTCGAA	ACCCGGTGGA	ATAACCGTTA	CCGGTGTCCCT
851	GACACCTTCC	GCCATCAGAT	GCGCCATCAT	GGGTGAGATA	GGCACAAACAA
901	TGAAATCACA	CAGATAATTC	AGGGAAAACG	TTCTGGTCTT	ACGGGTGATG
951	TAGGTTTTTT	GTCTGACAAT	AGTGAAGCGG	TGACAGCATA	TCAGACGGCT
1001	CAGTCCTGCT	ATATTACTGT	CATGCCACT	ATGGCAGATG	ACCAGATCAG
1051	GTAAATTC	CCCGATAATC	CGTCGAAGTC	TGACCATGGA	AGGAAGGTGA
1101	AGGCTGTTCC	TGAAAGGAAT	AAAAGTGACA	TCATGCCCTC	TTTTCTGGC
1151	TTCCGGAGCA	ATTTTACTTT	TTTCTCTGCA	G	

FIG. 2